

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-13 (Canceled)

Claim 14 (Currently Amended): An information storage medium configured to have data recorded thereon and data reproduced therefrom by an information recording/reproducing apparatus, said data including control information and video object data, the information storage medium comprising:

a data area configured to store:

a plurality of error correction code blocks including the video object data, said video object data being configured to be recorded in at least one of the object units,  
and

~~a plurality of error correction code blocks,~~ wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size; and

a control information recording area configured to store said control information, the control information being configured to manage the video object data and including an AV file information table having a first table area configured to store object stream information, and a second table area configured to store AV file information configured to manage ~~information of the video object data, the AV file information including a plurality of object information, each object information including information of object units of the video object data,~~ and a plurality of object information search pointers associated with the plurality of object information, wherein:

~~said video object data is configured to be recorded in at least one of the object units,~~  
~~an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,~~

an error correction code block address ~~being defined in units of the error correction code block corresponds~~ relates to an integer multiple the predetermined number of said sectors, said video object data being allocated with an integral multiple of said predetermined number of said sectors,

each said object information ~~included in said AV file information~~ includes time map information including time map general information, one or more time entries, and one or more ~~data~~ object unit entries, and

each time entry includes ~~number~~ numeral information of a corresponding ~~data~~ object unit entry of the video object data,

wherein the recording/reproducing apparatus employs the control information to manage the video object data.

Claim 15 (Currently Amended): An information recording method for recording information on an information storage medium including:

a data area configured to store:

a plurality of error correction code blocks including video object data, said video object data being configured to be recorded in at least one of the object units,  
and

~~a plurality of error correction code blocks,~~ wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and

a control information recording area configured to store control information for managing the video object data, the control information including an AV file information table having a first ~~table~~ area configured to store object stream information, and a second ~~table~~ area configured to store AV file information configured to manage ~~information of the~~

video object data, the AV file information including a plurality of object information, ~~each~~  
~~object information including information of object units of the video object data,~~ and a  
plurality of object information search pointers associated with the plurality of object  
information, wherein:

~~said video object data is configured to be recorded in at least one of the object units,~~  
~~an object corresponding to the video object data is allocated with or corresponds to~~  
~~one or more of the plurality of error correction code blocks,~~  
an error correction code block address ~~being defined in units of the error correction~~  
~~code block corresponds related~~ to an integer multiple the predetermined number of said  
sectors, said video object data being allocated with an integral multiple of said predetermined  
number of said sectors.

each said object information ~~included in said AV file information~~ includes time map  
information including time map general information, one or more time entries, and one or  
more ~~data~~ object unit entries, and

each time entry includes ~~number~~ numeral information of a corresponding ~~data~~ object  
unit entry of the video object data,

the information recording method comprising:

recording the object into the data area; and

recording the control information, including the plurality of object information, into  
the control information recording area.

Claim 16 (Currently Amended): An information reproducing method for reproducing  
information recorded on an information storage medium that includes,

a data area including:

a plurality of error correction code blocks including video object data, said video object data being configured to be recorded in at least one of the object units,  
and

~~a plurality of error correction code blocks,~~ wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and

a control information recording area including control information for managing the video object data, the control information including an AV file information table having a first table area including object stream information, and a second table area including AV file information configured to manage ~~information of~~ the video object data, the AV file information including a plurality of object information, ~~each object information including information of object units of the video object data,~~ and a plurality of object information search pointers associated with the plurality of object information, wherein:

~~said video object data is recorded in at least one of the object units,~~

~~an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,~~

~~an error correction code block address being defined in units of the error correction code block corresponds~~ relates to an integer multiple the predetermined number of said sectors, said video object data being allocated with an integral multiple of said predetermined number of said sectors,

each said object information ~~included in said AV file information~~ includes time map information including time map general information, one or more time entries, and one or more data object unit entries, and

each time entry includes ~~number~~ numeral information of a corresponding data object unit entry of the video object data,

the information reproducing method comprising:  
reproducing the video object data from the data area; and  
reproducing the control information, including the plurality of object information,  
from the control information recording area.

Claim 17 (Currently Amended): An information reproducing apparatus for  
reproducing information recorded on an information storage medium that includes

a data area including:

a plurality of error correction code blocks including video object data, said  
video objection data being configured to be recorded in at least one of the object units  
and

~~a plurality of error correction code blocks~~, wherein a predetermined number of  
sectors form each error correction code block, and each of said sectors has a  
predetermined size, and

a control information recording area including control information for managing the  
video object data, the control information including an AV file information table having a  
first ~~table~~ area including object stream information, and a second ~~table~~ area including AV file  
information configured to manage ~~information of~~ the video object data, the AV file  
information including a plurality of object information, ~~each object information including~~  
~~information of object units of the video object data~~, and a plurality of object information  
search pointers associated with the plurality of object information, wherein:

~~said video object data is recorded in at least one of the object units,~~

~~an object corresponding to the video object data is allocated with or corresponds to~~  
~~one or more of the plurality of error correction code blocks,~~

an error correction code block address ~~being defined in units of the error correction code block corresponds~~ relates to an integer multiple the predetermined number of said sectors, said video object data being allocated with an integral multiple of said predetermined number of said sectors.

each said object information ~~included in said AV file information~~ includes time map information including time map general information, one or more time entries, and one or more ~~data~~ object unit entries, and

each time entry includes ~~number~~ numeral information of a corresponding ~~data~~ object unit entry of the video object data,

the information reproducing apparatus comprising:

a first reproducer configured to reproduce video object data from the data area; and

a second reproducer configured to reproduce the control information, including the plurality of object information, from the control information recording area.

Claim 18 (New): An information recording apparatus for recording information on an information storage medium including:

a data area configured to store:

a plurality of error correction code blocks including video object data, said video object data being configured to be recorded in at least one of the object units, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and

a control information recording area configured to store control information for managing the video object data, the control information including an AV file information table having a first area configured to store object stream information, and a second area configured to store AV file information configured to manage the video object data, the AV

file information including a plurality of object information and a plurality of object information search pointers associated with the plurality of object information, wherein:

an error correction code block address related to the predetermined number of said sectors, said video object data being allocated with an integral multiple of said predetermined number of said sectors,

each said object information includes time map information including time map general information, one or more time entries, and one or more object unit entries, and

each time entry includes numeral information of a corresponding object unit entry of the video object data,

the information recording apparatus comprising:

a recording unit configured to record the object into the data area; and

the recording unit is further configured to record the control information, including the plurality of object information, into the control information recording area.